



Patent  
Attorney's Docket No. 001560-372

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of )  
Osamu SUZUKI et al. ) Group Art Unit: 1651  
Application No.: 09/389,318 ) Examiner: I. Marx  
Filed: September 3, 1999 ) Confirmation No. 5287  
For: METHOD FOR PRODUCING )  
HIGHLY UNSATURATED FATTY )  
ACIDS AND LIPID CONTAINING )  
SAME )

18/E  
H.G.J  
1/7/03

**RECEIVED**

DEC 19 2002

TECH CENTER 1600/2900

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

In complete response to the Office Action mailed June 14, 2002, please amend the above-identified application as follows.

**IN THE CLAIMS:**

*Please delete claims 3-5, 31 and 32 without prejudice or disclaimer.*

Please replace claims 1 and 33 as follows:

---

1. (Four-Times Amended) A process for producing arachidonic acid or a lipid containing arachidonic acid comprising the steps of:

(1) culturing a microorganism, belonging to the species *Mortierella alpina* and having resistance to a carbon source of high concentration, in a medium having a carbon source concentration of at least 4% by weight at the start of culturing and the addition of at

E



1651

Patent  
Attorney's Docket No. 001560-372

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of )  
Osamu SUZUKI et al. ) Group Art Unit: 1651  
Application No.: 09/389,318 ) Examiner: I. Marx  
Filed: September 3, 1999 ) Confirmation No. 5287  
For: METHOD FOR PRODUCING HIGHLY )  
UNSATURATED FATTY ACIDS AND )  
LIPID CONTAINING SAME )

**AMENDMENT/REPLY TRANSMITTAL LETTER**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

Enclosed is a reply for the above-identified patent application.

A Petition for Extension of Time is also enclosed.

A Terminal Disclaimer and a check for [ ] \$55.00 (2814) [ ] \$110.00 (1814) to cover the requisite Government fee are also enclosed.

Also enclosed is \_\_\_\_\_.

Small entity status is hereby claimed.

Applicant(s) request continued examination under 37 C.F.R. § 1.114 and enclose the [ ] \$370.00 (2801) [ ] \$740.00 (1801) fee due under 37 C.F.R. § 1.17(e).

Applicant(s) previously submitted \_\_\_, on \_\_\_, for which continued examination is requested.

Applicant(s) request suspension of action by the Office until at least \_\_\_, which does not exceed three months from the filing of this RCE, in accordance with 37 C.F.R. § 1.103(c). The required fee under 37 C.F.R. § 1.17(i) is enclosed.

A Request for Entry and Consideration of Submission under 37 C.F.R. § 1.129(a) (146/246) is also enclosed.

No additional claim fee is required.

An additional claim fee is required, and is calculated as shown below:

RECEIVED  
DEC 19 2002  
TECH CENTER 1600/2900

AMENDED CLAIMS					
	NO. OF CLAIMS	HIGHEST NO. OF CLAIMS PREVIOUSLY PAID FOR	EXTRA CLAIMS	RATE	ADDT'L FEE
Total Claims		MINUS =		× \$18.00 (1202) =	
Independent Claims		MINUS =		× \$84.00 (1201) =	
If Amendment adds multiple dependent claims, add \$280.00 (1203)					
Total Amendment Fee					
If small entity status is claimed, subtract 50% of Total Amendment Fee					
<b>TOTAL ADDITIONAL FEE DUE FOR THIS AMENDMENT</b>					

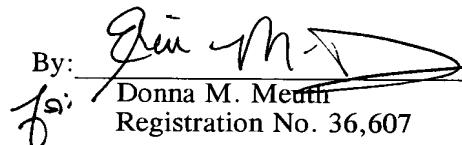
[ ] A claim fee in the amount of \$ \_\_\_\_\_ is enclosed.

[ ] Charge \$ \_\_\_\_\_ to Deposit Account No. 02-4800.

The Commissioner is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17, 1.20(d) and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

By:  #51,147  
f: Donna M. Meuth  
Registration No. 36,607

P.O. Box 1404  
Alexandria, Virginia 22313-1404  
(703) 836-6620

Date: December 16, 2002